

Product: [5100FE](#) 

Security & Sound, 2 Conductor 14 AWG, BC, CMR



Product Description

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-14 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems, Fire Alarm Systems |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|------------------|-------------------|
| Conductor(s) | 14 | 19x27 | BC - Bare Copper | 2 |

| | |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

Insulation

| Element | Material | Nominal Wall Thickness |
|--------------|--------------------|------------------------|
| Conductor(s) | PP - Polypropylene | 0.011 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil® | 100 % | TC - Tinned Copper | 22 | Solid |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.234 in | 0.017 in | Yes |

Construction and Dimensions

Cabling

| Lay Direction | Twists |
|---------------|--------------|
| Left Hand | 4.4 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 2.54 Ohm/1000ft | 10 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 54 pF/ft | 97.25 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.15 µH/ft |

Current

| Element | Max. Recommended Current [A] |
|----------------------|-----------------------------------|
| 10C Temperature Rise | Per conductor @ 25°C ambient: 8 A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Temperature Range

| | |
|-----------------------|----------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -20°C To +75°C |

Mechanical Characteristics

| | |
|----------------------------------|-----------------|
| Bulk Cable Weight: | 45.8 lbs/1000ft |
| Max Recommended Pulling Tension: | 125.4 lbs |
| Min Bend Radius/Minor Axis: | 2.25 in |

Standards

| | |
|-------------------------|------------|
| NEC Articles: | 725, 760 |
| NEC/(UL) Specification: | CL3R, FPLR |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| Environmental Space: | Indoor - Riser |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|-----------------------|
| UL Flammability: | UL1666 Vertical Shaft |
| CSA Flammability: | FT4 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|----------------|--------|
| Plenum (Y/N): | No |
| Plenum Number: | 6100FH |

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|---------------|--------|------------|---------|---------------|
| 5100FE.00152 | Chrome | Reel | 152 m | 8719605007704 |
| 5100FE.00305 | Chrome | Reel | 305 m | 8719605007728 |
| 5100FE.001000 | Chrome | Reel | 1,000 m | 8719605007698 |

| | | | | |
|-----------------|------|--------------|----------|---------------|
| 5100FE 008500 | Gray | Reel | 500 ft | 612825156222 |
| 5100FE 0081000 | Gray | Reel | 1,000 ft | 612825156246 |
| 5100FE 008U1000 | Gray | UnReel | 1,000 ft | 612825423591 |
| 5100FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825156260 |
| 5100FE.003000 | Gray | Reel | 3,000 m | 8719605007711 |
| 5100FE 0021000 | Red | Reel | 1,000 ft | 612825423584 |
| 5100FE 002Z1000 | Red | ReelTuff Box | 1,000 ft | 612825156239 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.295 Revision Date: 05-11-2020 |
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